Recombinant Human chemokine (C-X-C motif) ligand 9, His-tagged

Cat. No. CXCL9-210H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CXCL9, 23-125aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	23-125 a.a.
Description	CXCL9 is a small cytokine belonging to the CXC chemokine family that is also known as monokine induced by gamma interferon. It is closely related to two other CXC chemokines called CXCL10 and CXCL11, whose genes are located near the gene for CXCL9 on human chromosome 4. CXCL9, CXCL10 and CXCL11 all elicit their chemotactic functions by interacting with the chemokine receptor CXCR3. Recombinant human CXCL9 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol.
Molecular Mass	14 kDa (126aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSTPVVRKG RCSCISTNQG TIHLQSLKDL KQFAPSPSCE KIEIIATLKN GVQTCLNPDS ADVKELIKKW EKQVSQKKKQ KNGKKHQKKK VLKVRKSQRS RQKKTT

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Purity	>85% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by BCA assay)

GENE INFORMATION

Gene Name	CXCL9 chemokine (C-X-C motif) ligand 9 [Homo sapiens]
Official Symbol	CXCL9
Synonyms	CXCL9; chemokine (C-X-C motif) ligand 9; CMK, MIG, monokine induced by gamma interferon; C-X-C motif chemokine 9; crg 10; Humig; SCYB9; small-inducible cytokine B9; gamma-interferon-induced monokine; monokine induced by gamma interferon; monokine induced by interferon-gamma; CMK; MIG; crg-10;
Gene ID	4283
mRNA Refseq	NM_002416
Protein Refseq	NP_002407
MIM	601704
UniProt ID	Q07325
Chromosome Location	4q21
Pathway	CXCR3-mediated signaling events, organism-specific biosystem; Chemokine

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	receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;
Function	chemokine activity; cytokine activity;

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